

APPENDIX B

MCCWA Plant Species Inventory

Cottonwood Creek Unit

Balls Ferry Wetland Unit 1

A plant species inventory of the recently acquired Balls Ferry Wetland Unit 2 is a recommended step-down action under the Operations and Maintenance section of this LMP (VB1).

APPENDIX B

Plant Species Inventory^{1,2}

CCU = Cottonwood Creek Unit BFW1 = Balls Ferry Wetland Unit 1

* = non-native plant species *? = probably introduced

Latin Name	Common Name	CCU	BFW1
FERNS AND FERN-ALLIES			
AZOLLACEAE			
<i>Azolla filiculoides</i>	Pacific mosquito fern	x	
EQUISETACEAE			
<i>Equisetum laevigatum</i>	Smooth horsetail	x	
FLOWERING PLANTS(ANGIOSPERMAE - DICOTYLEDONEAE)			
ACERACEAE			
<i>Acer negundo</i> ssp. <i>californicum</i>	California boxelder	x	
ANACARDIACEAE			
<i>Toxicodendron diversilobum</i>	Poison oak	x	
APIACEAE			
<i>Anthriscus caucalis</i> *	Burr chervil	x	
<i>Daucus carota</i> *	Queen Anne's lace	x	x
<i>Eryngium castrense</i>	Great Valley eryngo		x
<i>Torilis arvensis</i> *	Spreading hedgeparsley	x	x
ARALIACEAE			
<i>Hedera helix</i> *	English ivy	x	
ARISTOLOCHIACEAE			
<i>Aristolochia californica</i>	California dutchman's pipe	x	
ASCLEPIADACEAE			
<i>Asclepias cf. eriocarpa</i>	Woollypod milkweed	x	
ASTERACEAE			
<i>Ambrosia psilostachya</i>	Cuman ragweed	x	x
<i>Anthemis cotula</i> *	Stinking chamomile		x

¹ SOURCE: Buck 2006. Unpublished Report: Plant Community Characterization and Floristic Inventory for the Mouth of Cottonwood Creek Wildlife Area.

² Conducting the Plant Species Inventory for BFW2 is a step-down action recommended under Operations and Maintenance (VB1).

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Latin Name	Common Name	CCU	BFW1
<i>Artemisia douglasiana</i>	Douglas sagewort	x	
<i>Baccharis salicifolia</i>	Mule fat	x	
<i>Brickellia californica</i>	California brickellbush	x	
<i>Centaurea solstitialis*</i>	Yellow star thistle	x	x
<i>Chamomilla suaveolens*</i>	Disc mayweed, pineapple weed	x	x
<i>Cichorium intybus*</i>	Chickory	x	x
<i>Cirsium vulgare*</i>	Bull thistle	x	x
<i>Conyza sp. (*?)</i>	Horseweed	x	
<i>Euthamia occidentalis</i>	Western goldentop	x	
<i>Filago gallica*</i>	Narrowleaf cottonrose		x
<i>Gnaphalium luteo-album*</i>	Cudweed sp.	x	x
<i>Gnaphalium palustre</i>	Western marsh cudweed	x	x
<i>Hemizonia fitchii</i>	Fitch's tarweed	x	x
<i>Holocarpha sp.</i>	Tarweed	x	
<i>Hypochaeris glabra*</i>	Smooth catsear	x	x
<i>Hypochaeris radicata*</i>	Hairy catsear	x	x
<i>Lactuca serriola*</i>	Prickly lettuce	x	x
<i>Lasthenia californica</i>	California goldfields		x
<i>Lasthenia glaberrima</i>	Smooth goldfields		x
<i>Leontodon taraxacoides</i> ssp. <i>longirostris*</i>	Lesser hawkbit	x	x
<i>Micropus californicus</i> var. <i>californicus</i>	Cottontop, slender cottonweed		x
<i>Psilocarphus brevissimus</i> var. <i>brevissimus</i>	Short woollyheads		x
<i>Psilocarphus tenellus</i> var. <i>tenellus</i>	Slender woollyheads	x	x
<i>Senecio vulgaris*</i>	Old-man-in-the-Spring	x	
<i>Silybum marianum*</i>	Milk thistle	x	
<i>Sonchus asper*</i>	Spiny sowthistle	x	x
<i>Tragopogon dubius*</i>	Yellow salsify	x	x
<i>Uropappus lindleyi</i>	Silver puffs	x	
<i>Xanthium strumarium</i>	Rough cocklebur	x	x
BETULACEAE			
<i>Alnus rhombifolia</i>	White alder	x	

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BIGNONIACEAE			
<i>Catalpa bignonioides</i> *	Southern catalpa	x	
BORAGINACEAE			
<i>Amsinckia menziesii</i> var. <i>intermedia</i>	Common fiddleneck	x	
<i>Cryptantha flaccida</i>	Weakstem cryptantha	x	
<i>Heliotropium europaeum</i> *	European heliotrope	x	x
<i>Myosotis laxa</i>	Bay forget-me-not	x	x
<i>Plagiobothrys bracteatus</i>	Bracted popcornflower		x
<i>Plagiobothrys canescens</i>	Valley popcornflower	x	
<i>Plagiobothrys stipitatus</i> var. <i>micranthus</i>	Stalked popcornflower		x
BRASSICACEAE			
<i>Brassica nigra</i> *	Black mustard	x	x
<i>Lepidium latifolium</i> *	Broadleaved pepperweed	x	
<i>Lepidium oblongum</i> var. <i>oblongum</i>	Veiny pepperweed		x
<i>Raphanus raphanistrum</i> *	Wild radish	x	x
<i>Rorippa curvipes</i> var. <i>truncata</i>	Bluntleaf yellowcress	x	
CAMPANULACEAE			
<i>Downingia bella</i>	Hoovers calicoflower		x
CAPPARACEAE			
<i>Polanisia dodecandra</i> ssp. <i>trachysperma</i>	Sandyseed clammyweed	x	
CAPRIFOLIACEAE			
<i>Lonicera japonica</i> *	Japanese honeysuckle		x
<i>Sambucus mexicana</i>	Blue elderberry, Mexican elderberry	x	
CARYOPHYLLACEAE			
<i>Cerastium glomeratum</i> *	Sticky chickweed	x	
<i>Herniaria hirsuta</i> ssp. <i>hirsuta</i> *	Hairy rupturewort		x
<i>Petrorhagia dubia</i> *	Hairypink	x	x
<i>Spergularia rubra</i> *	Red sandspurry	x	x
CHENOPodiACEAE			
<i>Chenopodium ambrosioides</i> *	Mexican tea	x	
<i>Chenopodium botrys</i> *	Jerusalem oak goosefoot		x

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CONVOLVULACEAE			
<i>Convolvulus arvensis</i> *	Field bindweed	x	x
CUCURBITACEAE			
Marah fabaceus	California manroot	x	
CUSCUTACEAE			
<i>Cuscuta californica</i> var. <i>californica</i>	Chaparral dodder		x
DIPSACACEAE			
<i>Dipsacus fullonum</i> *	Fuller's teasel	x	
EUPHORBIACEAE			
<i>Eremocarpus setigerus</i>	Turkey mullein	x	x
FABACEAE			
<i>Albizia</i> sp. *	Albizia		x
<i>Lathyrus cf. hirsutus</i> *	Caley pea		x
<i>Lotus corniculatus</i> *	Bird's-foot trefoil	x	x
<i>Lotus humistratus</i>	Foothill deervetch		x
<i>Lotus purshianus</i>	Bird's-foot trefoil sp.	x	x
<i>Lupinus nanus</i>	Lupine sp.		x
<i>Medicago polymorpha</i> *	Burr clover		x
<i>Trifolium campestre</i> *	Field clover		x
<i>Trifolium dubium</i> *	Suckling clover	x	x
<i>Trifolium glomeratum</i> *	Cluster clover		x
<i>Trifolium hirtum</i> *	Rose clover	x	x
<i>Trifolium pratense</i> *	Red clover		x
<i>Trifolium repens</i> *	White clover	x	x
<i>Trifolium subterraneum</i> *	Subterranean clover	x	x
<i>Trifolium variegatum</i>	Whitetip clover		x
<i>Vicia benghalensis</i> *	Reddish tufted vetch	x	x
<i>Vicia sativa</i> ssp. <i>nigra</i> *	Garden vetch	x	x
FAGACEAE			
<i>Quercus douglasii</i>	Blue oak		x
<i>Quercus lobata</i>	Valley oak	x	x
<i>Quercus wislizeni</i>	Interior live oak		x

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GENTIANACEAE			
<i>Centaurium muehlenbergii</i>	Muhlenberg's centaury	x	x
<i>Erodium brachycarpum</i> *	Shortfruit stork's bill	x	x
<i>Erodium cicutarium</i> *	Redstem stork's bill	x	
<i>Geranium dissectum</i> *	Cutleaf geranium	x	x
HALORAGACEAE			
<i>Myriophyllum aquaticum</i> *	Parrot feather watermilfoil	x	x
JUGLANDACEAE			
<i>Juglans californica</i> var. <i>hindsii</i> *	Northern California walnut	x	x
LAMIACEAE			
<i>Marrubium vulgare</i> *	Horehound	x	
<i>Mentha pulegium</i> *	Pennyroyal	x	x
<i>Pogogyne ziziphoroides</i>	Sacramento mesamint	x	
<i>Stachys stricta</i>	Sonoma hedgenettle	x	
<i>Trichostema lanceolatum</i>	Vinegarweed	x	x
LINACEAE			
<i>Linum bienne</i> *	Pale flax	x	x
LYTHRACEAE			
<i>Lythrum hyssopifolium</i> *	Hyssop loosestrife	x	x
MORACEAE			
<i>Ficus carica</i> *	Edible fig	x	x
<i>Morus alba</i> *	White mulberry	x	
OLEACEAE			
<i>Fraxinus latifolia</i>	Oregon ash	x	
ONAGRACEAE			
<i>Clarkia purpurea</i> ssp. <i>quadrivulnera</i>	Winecup clarkia	x	x
<i>Epilobium brachycarpum</i>	Tall annual willowherb	x	x
<i>Epilobium ciliatum</i> ssp. <i>ciliatum</i>	Fringed willowherb	x	x
<i>Epilobium densiflorum</i>	Denseflower willowherb	x	
<i>Ludwigia peploides</i> ssp. <i>montevidensis</i> *	Floating primrose-willow	x	
<i>Ludwigia peploides</i> ssp. <i>peploides</i>	Floating primrose-willow	x	x

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PAPAVERACEAE			
<i>Eschscholzia lobbii</i>	Fryingpans	x	
PHYTOLACCACEAE			
<i>Phytolacca americana</i> *	American pokeweed	x	x
PLANTAGINACEAE			
<i>Plantago lanceolata</i> *	Narrowleaf plantain	x	x
POLEMONIACEAE			
<i>Navarretia leucocephala</i> ssp. <i>leucocephala</i>	Whitehead navarretia	x	
<i>Navarretia tagetina</i>	Marigold pincushionplant	x	x
<i>Polygonum arenastrum</i> *	Oval-leaf knotweed	x	x
<i>Polygonum punctatum</i>	Dotted smartweed	x	x
<i>Rumex acetosella</i> *	Common sheep sorrel		x
<i>Rumex conglomeratus</i> *	Clustered dock		x
<i>Rumex crispus</i> *	Curly dock	x	x
<i>Rumex cf. kernerii</i> *	Kerner's dock		x
<i>Rumex pulcher</i> *	Fiddle dock	x	x
PRIMULACEAE			
<i>Anagallis arvensis</i> *	Scarlet pimpernel	x	
RANUNCULACEAE			
<i>Ranunculus bonariensis</i> var. <i>trisepalus</i>	Carter's buttercup	x	
<i>Ranunculus occidentalis</i>	Western buttercup		x
<i>Ranunculus muricatus</i> *	Spinyfruit buttercup		x
<i>Ranunculus sceleratus</i>	Cursed buttercup		x
ROSACEAE			
<i>Prunus</i> sp. *	Plum sp.	x	x
<i>Pyracantha angustifolia</i> *	Narrowleaf firethorn		x
<i>Rosa californica</i>	California rosebush	x	x
<i>Rubus discolor</i> *	Himalayan blackberry	x	x
<i>Rubus pensylvanicus</i> *	Pennsylvania blackberry		x
RUBIACEAE			
<i>Cephalanthus occidentalis</i> var. <i>californicus</i>	Common buttonbrush	x	
<i>Galium aparine</i> (*?)	Stickywilly		x

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<i>Galium parisiense*</i>	Wall bedstraw	x	x
<i>Sherardia arvensis*</i>	Blue fieldmadder		x
SALICACEAE			
<i>Populus alba*</i>	White poplar	x	
<i>Populus fremontii</i>	Fremont cottonwood	x	x
<i>Salix gooddingii</i>	Goodding's willow	x	x
<i>Salix laevigata</i>	Red willow	x	x
<i>Salix lasiolepis</i>	Arroyo willow	x	x
SCROPHULARIACEAE			
<i>Gratiola ebracteata</i>	Bractless hedgehyssop	x	
<i>Gratiola neglecta</i>	Clammy hedgehyssop	x	
<i>Lindernia dubia</i> var. <i>dubia</i>	Yellowseed false pimpernel	x	
<i>Mimulus guttatus</i>	Monkeyflower	x	x
<i>Parentucellia viscosa*</i>	Yellow glandweed	x	x
<i>Triphysaria versicolor</i> ssp. <i>versicolor</i>	Yellowbeak owl's-clover	x	
<i>Verbascum blattaria*</i>	Moth mullein	x	x
<i>Veronica anagallis-aquatica*</i>	Water speedwell	x	
<i>Veronica catenata*</i>		x	
SIMAROUBACEAE			
<i>Ailanthus altissima*</i>	Tree of heaven	x	x
SOLANACEAE			
<i>Nicotiana</i> sp. (*?)	Tobacco sp.	x	
VERBENACEAE			
<i>Vitis californica</i>	California wild grape	x	
<i>Vitis vinifera*</i>	Wine grape	x	x
VITACEAE			
<i>Verbena bonariensis*</i>	Purpletop vervain	x	
<i>Verbena lasiostachys</i> var. <i>lasiostachys</i>	Western vervain	x	
ZYGOPHYLLACEAE			
<i>Tribulus terrestris*</i>	Puncturevine	x	

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FLOWERING PLANTS (ANGIOSPERMAE - MONOCOTYLEDONEAE)			
ALISMATACEAE			
<i>Alisma lanceolatum</i> *	Lanceleaf water plantain	x	
CYPERACEAE			
<i>Carex barbara</i>	Santa Barbara sedge	x	
<i>Carex ovalis</i>	Eggbract sedge	x	x
<i>Carex cf. tumulicola</i>	Splitawn sedge	x	
<i>Carex vulpinoidea</i>	Fox sedge	x	x
<i>Cyperus eragrostis</i>	Tall flatsedge	x	x
<i>Eleocharis obtusa</i> var. <i>obtusa</i>	Blunt spikerush	x	
<i>Eleocharis macrostachya</i>	Pale spikerush	x	x
<i>Scirpus acutus</i> var. <i>occidentalis</i>	Tule	x	x
IRIDACEAE			
<i>Iris pseudacorus</i> *	Pale yellow iris	x	
JUNCACEAE			
<i>Juncus acuminatus</i>	Tapertip rush	x	x
<i>Juncus bufonius</i> var. <i>bufonius</i>	Toad rush	x	x
<i>Juncus bufonius</i> var. <i>occidentalis</i>	Toad rush		x
<i>Juncus effusus</i> var. <i>pacificus</i>	Pacific rush	x	x
<i>Juncus tenuis</i>	Poverty rush	x	x
<i>Juncus xiphioides</i>	Irisleaf rush	x	
LEMNACEAE			
<i>Lemna minuscula</i>	Least duckweed	x	
LILIACEAE			
<i>Brodiaea coronaria</i> ssp. <i>coronaria</i>	Crown brodiaea	x	
<i>Brodiaea elegans</i> ssp. <i>elegans</i>	Harvest brodiaea		x
<i>Chlorogalum angustifolium</i>	Narrowleaf soap plant		x
<i>Dichelostemma multiflorum</i>	Roundtooth snakelily	x	x
<i>Odontostomum hartwegii</i>	Hartweg's doll's-lily	x	x
<i>Triteleia hyacinthina</i>	White brodiaea		x

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POACEAE			
<i>Aira caryophyllea</i> *	Silver hairgrass	x	x
<i>Arundo donax</i> *	Giant reed	x	x
<i>Avena barbata</i> *	Wild oats	x	x
<i>Briza minor</i> *	Little quaking grass	x	x
<i>Bromus carinatus</i> var. <i>carinatus</i>	California brome	x	
<i>Bromus diandrus</i> *	Ripgut brome	x	x
<i>Bromus hordeaceus</i> *	Soft brome	x	x
<i>Bromus madritensis</i> ssp. <i>rubens</i> *	Red brome	x	
<i>Bromus tectorum</i> *	Cheatgrass	x	
<i>Cynodon dactylon</i> *	Bermudagrass		x
<i>Cynosurus echinatus</i> *	Bristly dogtail grass	x	x
<i>Dactylis glomerata</i> *	Orchardgrass	x	x
<i>Deschampsia danthonioides</i>	Annual hairgrass	x	x
<i>Elymus glaucus</i> ssp. <i>glaucus</i>	Blue wildrye	x	
<i>Festuca arundinacea</i> *	Tall fescue	x	x
<i>Festuca pratensis</i> *	Meadow fescue	x	x
<i>Glyceria declinata</i> *	Waxy mannagrass	x	x
<i>Holcus lanatus</i> *	Common velvetgrass	x	x
<i>Hordeum marinum</i> ssp. <i>gussoneanum</i> *	Mediterranean barley	x	x
<i>Hordeum murinum</i> ssp. <i>leporinum</i> *	Leporinum barley	x	x
<i>Leymus triticoides</i>	Beardless wildrye	x	
<i>Lolium multiflorum</i> *	Ryegrass	x	x
<i>Lolium perenne</i> *	Perrenial ryegrass	x	x
<i>Paspalum dilatatum</i> *	Dallisgrass		x
<i>Poa annua</i> *	Annual bluegrass		x
<i>Poa bulbosa</i> *	Bulbous bluegrass	x	
<i>Poa pratensis</i> (*?)	Kentucky bluegrass	x	x
<i>Polypogon monspeliensis</i> *	Annual rabbitsfoot grass		x
<i>Secale cereale</i> *	Cereal rye		x
<i>Sorghum</i> sp. *	Sorghum		x
<i>Taeniatherum caput-medusae</i> *	Medusahead	x	x

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<i>Vulpia bromoides*</i>	Brome fescue	x	x
<i>Vulpia microstachys</i> var. <i>ciliata</i>	Eastwood fescue	x	
<i>Vulpia myuros</i> var. <i>myuros*</i>	Rat-tail fescue	x	x
POTAMOGETONACEAE			
<i>Potamogeton diversifolius</i>	Waterthread pondweed	x	
TYPHACEAE			
<i>Typha angustifolia</i>	Narrowleaf cattail		x
<i>Typha latifolia</i>	Broadleaf cattail	x	x